

## SPECIFICATION AMENDMENTS:

Please replace the second full paragraph on page 2 of the specification with the following:

In combination with ~~the preamble to claim 1, a method for biotechnologically producing valuable products in which a medium is fed to a bioreactor and subjected to a fermentation process and in which the valuable product is harvested, as filtered permeate and/or as concentrated retentate, by way of a downstream cross-flow filtration unit, and residues are supplied again to the bioreactor until harvesting as retentate,~~ this object is achieved by it being possible to feed other substances, in addition to the medium, to the bioreactor in a controlled manner, by it being possible to harvest the concentrated retentate and the permeate in a controlled manner, and by the fermentation process and the filtration being regulated, in a manner in which they are matched to each other in an integrated system, by way of a control unit.

Please replace the third paragraph on page 6 and continuing to page 7 of the specification with the following:

~~This object is achieved, in conjunction with the preamble to claim 17, by a device for biotechnologically producing valuable products, essentially comprising a bioreactor having an upstream first feed receptacle for a medium and a downstream cross-flow filtration unit whose permeate line is connected to a first harvest receptacle and whose retentate line leads back into the bioreactor, by at least one second feed receptacle containing an inducing substance being located upstream of the bioreactor, by a second harvest receptacle for a cell-contaminated harvest of the retentate being~~

connected to the bioreactor by way of a harvest line, and by a control unit being arranged for measuring and regulating the fermentation and filtration process.